

## **M. Polo Camacho**

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## **Current Employment**

2021— Program Manager & Health Ethics Education Promoter, Center for Practical Bioethics, Kansas City, Missouri

## **Education**

2016-2021 Ph.D. (with honors), Philosophy, The University of Kansas  
Thesis: *The Central Dogma: A Philosophical Analysis*,  
Committee: Armin Schulz (advisor), John Symons, Corey Maley, Sarah Robins, Justin Blumenstiel

2013-2016 M.A. (with honors), Philosophy, The University of Kansas  
Thesis: *Rethinking The Central Dogma of Molecular Biology*  
Committee: Armin Schulz (advisor), John Symons, Corey Maley

2007-2012 B.M.S., University of Texas at El Paso, Philosophy, Psychology and Linguistics

## **Areas of Specialization and Competence:**

AOS Philosophy of Science, Philosophy of Biology, Bioethics

AOC Environmental Ethics, Normative Ethics, Philosophy of Mind, Metaphysics

## **Journal Articles:**

2021 “Could the Greatest Illusion of the Modern Synthesis Be Practical?” Invited Commentary on Denis Noble’s “The Illusions of the Modern Synthesis,” *Biosemiotics*, DOI: <https://doi.org/10.1007/s12304-021-09415-1>

2021 “Millikan’s Biological Explanation of Mental Representation—A Critical Introduction,” *Saudi Journal of Philosophical Studies*, Issue 1 (with John Symons)

2021 “Beyond Descriptive Accuracy: The Central Dogma of Molecular Biology in Scientific Practice,” *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*, Volume 86, pp. 20-26, DOI: <https://doi.org/10.1016/j.shpsa.2021.01.002>

- 2020 “What’s All the Fuss About? On Why the Inheritance of Acquired Traits is Compatible with the Central Dogma,” *History and Philosophy of the Life Sciences*, Volume 42, Issue 3, No. 32, DOI: <https://doi.org/10.1007/s40656-020-00329-8>
- 2019 “The Central Dogma is Empirically Inadequate... No Matter How We Slice It ,” *Philosophy, Theory, and Practice in Biology*, Volume 11, No. 6, DOI: <https://doi.org/10.3998/ptpbio.16039257.0011.006>

### **Book Chapters**

- Forthcoming “There’s Something in the Water: Algae, Eliminativism and Our Moral Obligation to Biological Beings,” in Yogi Hendlin et al. (eds.) *Transformation in Water, Plant Studies*, Brill Publishers
- 2018 “Keeping Plants in Mind,” in Stephen Goddard (ed.) *Big Botany: Conversations with the Plant World*, Spencer Museum of Art: Lawrence KS

### **Encyclopedia Entries**

- 2017 “The Extended Phenotype,” *Encyclopedia of Evolutionary Psychological Science*, co-authored encyclopedia entry with Armin Schulz, Edited by Todd K. Shackelford Viviana Weekes-Shackelford, DOI: [https://doi.org/10.1007/978-3-319-16999-6\\_1877-1](https://doi.org/10.1007/978-3-319-16999-6_1877-1)
- 2017 “Reliability, Efficiency and Economy,” *Encyclopedia of Evolutionary Psychological Science*, co-authored encyclopedia entry with Armin Schulz, Edited by Todd K. Shackelford Viviana Weekes-Shackelford, DOI: [https://doi.org/10.1007/978-3-319-16999-6\\_1874-1](https://doi.org/10.1007/978-3-319-16999-6_1874-1)

### **Presentations**

- 2020 “Towards an Account of Precision” Measurement at the Crossroads: Measuring and Modeling, Università Cattolica de Sacro Cuore di Milano, Milan, Italy (Postponed due to the COVID-19 Pandemic)
- 2020 “The Central Dogma of Molecular Biology Isn’t Practical” Society for Philosophy of Science in Practice, Michigan State University, Lansing, Michigan (Cancelled due to the COVID-19 Pandemic)
- 2020 “The Central Dogma Is Empirically Inadequate,” Arts, Languages and

Philosophy Department Speaker Series, Missouri S&T, Rolla, Missouri (Invited Talk), October 2020

- 2017 “Is The Central Dogma Practical?” International Society for the History, Philosophy and Social Science of Biology (ISHPSSB 2017), University of Sao Paolo, Sao Paolo, Brazil (Accepted; could not present due to lack of funding), July 2017
- 2017 “How to Reject The Central Dogma and Still be Darwinian” The Past, Present and Future of Integrated HPS: An Integrated Postgraduate Forum, University of Leeds, Leeds, West Yorkshire, England, January 2017
- 2014 “Measuring Perfections: A Criticism of Hurka’s Perfectionist Account of Well-being,” SoCal Philosophy Conference, San Diego State University (SDSU), San Diego, California, October 2014
- 2011 “Parallel Distributed Processing, Neural Networks and *Zuhandenheit*,” New Mexico Texas Philosophical Society, University of Texas at El Paso (UTEP), El Paso, Texas, April 2011

### **Fellowships, Awards and Scholarships**

- 2016-2018 IARI Graduate Research Fellowship, The University of Kansas, Spencer Museum of Art (funded by The Andrew W. Mellon Foundation)
- 2017 Graduate Travel Award, The University of Kansas, Department of Philosophy,
- 2017 A. C. Genova Scholarship, The University of Kansas, Department of Philosophy

### **Service to Profession**

- 2014-2019 Editor-in-Chief, The University of Kansas, *Auslegung: A Journal of Philosophy*
- 2018 Interdisciplinary Symposium Organizer, *Big Botany Symposium*, Spencer Museum of Art, The University of Kansas
- 2013 Minorities and Philosophy Undergraduate Conference Organizer, The University of Kansas, Department of Philosophy

### **Teaching Experience**

#### **Instructor**

- 2020-2021 Introduction to Environmental Ethics, University of Kansas, Department of

## Philosophy

- 2018-2019 Introduction to Environmental Ethics, University of Kansas, Department of Philosophy
- 2018-2019 Introduction to Philosophy, Rockhurst University, Department of Philosophy

### Graduate Teaching Assistant

- 2019-2020 Reason and Argument (Dr. Eileen Nutting), University of Kansas, Department of Philosophy (Graduate Teaching Assistant)
- 2015-2016 Introduction to Ethics (Dr. Dale Dorsey), University of Kansas, Department of Philosophy (Graduate Teaching Assistant)
- 2014-2015 Introduction to Ethics (Dr. Ben Eggleston), University of Kansas, Department of Philosophy (Graduate Teaching Assistant)
- 2013-2014 Introduction to Philosophy (Dr. Erin Frykholm), University of Kansas, Department of Philosophy (Graduate Teaching Assistant)

### Graduate Coursework

- 2017 Phil 833: Friedrich Nietzsche, Dr. Scott Jenkins
- 2016 Phil 860: Topics in the Philosophy of Science: Models, Mathematics and Inquiry, Dr. John Symons
- 2016 Phil 666: Rational Choice Theory, Dr. Ben Eggleston
- 2015 Phil 654: Philosophy of Mind, Dr. Corey Maley
- 2015 Phil 877: The Evolution of Cognition, Dr. Armin Schulz
- 2015 Phil 900: Research in Philosophy: Developmental Systems Theory, Dr. Armin Schulz
- 2015 Phil 805: Plato, Dr. Thomas Tuozzo
- 2015 Phil 900: Research in Philosophy: Psychologism and Phenomenology, Dr. John Symons
- 2014 Phil 870: Emergence, Dr. John Symons
- 2014 Phil 500: Well-being and Quality of Life, Dr. Dale Dorsey
- 2014 Phil 670: Contemporary Ethical Theory, Dr. Dale Dorsey
- 2014 Phil 557: Immanuel Kant, Dr. Scott Jenkins

- 2013 Phil 855: Donald Davidson, Dr. John Bricke  
2013 Phil 800: Derek Parfit's *Reasons and Persons*, Dr. Dale Dorsey  
2013 Phil 648: Theory of Knowledge, Dr. Eileen Nutting

## **References**

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